

IN THE CLAIMS

1. (Currently amended) A high frequency application apparatus comprising a high frequency generator , a probe arrangement which is connected to the high frequency generator and which includes at least two electrodes , and at least two lines which connect the electrodes (8, 9) to the high frequency generator , characterized in that

the lines are combined together in a common cable and extend in mutually parallel relationship at least over a part of the length of the cable at a defined spacing which is between 1 mm and 25 mm; and characterized by an air cushion positioned between the lines within the cable.

2. (Canceled)

3. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the lines extend separately at the end of the cable towards the generator.

4. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that a line includes a plurality of wires .

5. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the lines and/or the wires are twisted together.

6. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the lines extend in mutually coaxial relationship.

7. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the probe arrangement includes an electrode needle.

8. (Previously presented) A high frequency application apparatus as set forth in claim 6 characterized in that the electrode needle includes at least two active electrodes.

9. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the probe arrangement includes an electrode needle and a neutral electrode to be applied externally to the body.

10. (Previously presented) A high frequency application apparatus as set forth in claim 9 characterized in that the electrode needle includes at least one active electrode (8).

11. (Currently amended) A high frequency application apparatus as set forth in claim 1 characterized in that a ~~ferromagnetic ring~~ferrite core is mounted on the cable .

12. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the cable is provided with an electrically conductive shield or casing.

13. (Previously presented) A high frequency application apparatus as set forth in claim 12 characterized in that the shield or the casing includes a connection by way of which it is to be electrically connected to a shielding means of a nuclear magnetic resonance tomograph .

14. (Currently amended) A high frequency application apparatus comprising a high frequency generator , a probe arrangement which is connected to the high frequency generator and which includes at least two electrodes , and at least two lines at least partially encased in a cable, said lines connecting~~which connect~~ the electrodes to the high frequency generator ,

characterized in that

the lines have a portion towards the generator and a portion towards the probe, between which is a switching device for separating and connecting the generator-end portion and the probe-end portion; and characterized by an air cushion between the lines within the cable.

15. (Previously presented) A high frequency application apparatus as set forth in claim 1 wherein the lines have a portion towards the generator and a portion

towards the probe, between which is a switching device for separating and connecting the generator-end portion and the probe-end portion.

16. (Previously presented) A high frequency application apparatus as set forth in claim 14 characterized in that the switching device includes an electrical switch

17. (Previously presented) A high frequency application apparatus as set forth in claim 16 characterized in that the electrical switch is a reed relay.

18. (Previously presented) A high frequency application apparatus as set forth in claim 14 characterized in that the switching device includes a mechanical switch.

19. (Previously presented) A high frequency application apparatus as set forth in claim 14 characterized in that the switching device includes a signal line and an actuating switch which are of such an arrangement and configuration that separation and connection can take place in the room in which the high frequency generator is disposed.

20. (Previously presented) A high frequency application apparatus as set forth in claim 14 characterized in that the switching device includes an interface for the connection of a control line to a nuclear magnetic resonance tomograph .

21. (Previously presented) A high frequency application apparatus as set forth in claim 1 characterized in that the probe arrangement and the cable are adapted to be re-sterilizable.

22. (Canceled)

23. (Previously presented) A high frequency application apparatus as set forth in claim 15 characterized in that the switching device includes an electrical switch.

24. (Currently amended) A high frequency application apparatus as set forth in claim ~~22~~14 characterized in that the switching device includes an electrical switch.

25. (Previously presented) A high frequency application apparatus as set forth in claim 23 characterized in that the electrical switch is a reed relay.

26. (Previously presented) A high frequency application apparatus as set forth in claim 24 characterized in that the electrical switch is a reed relay.

27. (Previously presented) A high frequency application apparatus as set forth in claim 15 characterized in that the switching device includes a mechanical switch.

28. (Previously presented) A high frequency application apparatus as set forth in claim 15 characterized in that the switching device includes a signal line and an actuating switch which are of such an arrangement and configuration that separation and connection can take place in the room in which the high frequency generator is disposed.

29. (Previously presented) A high frequency application apparatus as set forth in claim 15 characterized in that the switching device includes an interface for the connection of a control line to a nuclear magnetic resonance tomograph.

30. (Previously presented) A high frequency application apparatus as set forth in claim 14 characterized in that the probe arrangement and the cable are adapted to be re-sterilizable.